

## PATENT COOPERATION TREATY

PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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- 8 APR -  
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Applicant's or agent's file reference <b>FP2484</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/SG2004/000416</b>	International filing date (day/month/year) <b>17 December 2004</b>	(Earliest) Priority Date (day/month/year) <b>17 December 2003</b>
Applicant <b>AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH et al</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of **4** sheets.

It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box No. II).3.  Unity of invention is lacking (See Box No. III).

## 4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

## 5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

- a. The figure of the drawings to be published with the abstract is Figure No. **1**

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2004/000416

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: C12Q 1/68 C12N 15/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See electronic data base

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
See electronic data baseElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPIDS, Medline, Capplus, Biosis, Biotechabs: SARS, severe acute respiratory, PCR, amplify, identif?, primer?, nspl, non structural protein

CAS-Registry, Dgene: SEQ ID NOS: 3, 4, 6, 7, 9, 10

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Ruan et al (2003) 'Comparative full-length genome sequence analysis of 14 SARS coronavirus isolates and common mutations associated with putative origins of infection' The Lancet. Vol 361(9371): 1779-1785 (see the whole document including appendices)	1, 7, 8, 11-18

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
5 April 2005Date of mailing of the international search report  
11 APR 2005Name and mailing address of the ISA/AU  
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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2004/000416

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004085455 A1 (THE UNIVERSITY OF HONG KONG) 7 October 2004 (see in particular page 41, line 27 to page 15, line 13)	1
P, X	WO 2004099440 A1 (CAPITAL BIOCHIP COMPANY, LTD et al.) 14 November 2004 (see in particular page 22, line 17 to page 24)	1
P, X	WO 2005005658 A1 (CAPITAL BIOCHIP COMPANY, LTD et al.) 20 January 2005 (see in particular pages 51 and 52)	1
A	Snijder et al. (2003) 'Unique and conserved features of genome and proteome of SARS-coronavirus, and early split-off from the coronavirus group 2 lineage' Journal of Molecular Biology. Vol 331: 991-1004 (see in particular page 994, 2 <sup>nd</sup> column, lines 33-37)	1-23
A	Yam et al. (2003) 'Evaluation of reverse transcription-PCR assays for rapid diagnosis of severe acute respiratory syndrome associated with a novel coronavirus' Journal of Clinical Microbiology. Vol 41(10): 4521-4524 (see the whole document)	1-23
A	Poon et al. (2003) 'Rapid diagnosis of a coronavirus associated with severe acute respiratory syndrome (SARS)' Clinical Chemistry. Vol 49(6): 953-955 (see the whole document)	1-23

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/SG2004/000416

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
WO 2004085455	US 2005009009
WO 2004099440	WO 2004085633
WO 2005005658	WO 2004085650

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX